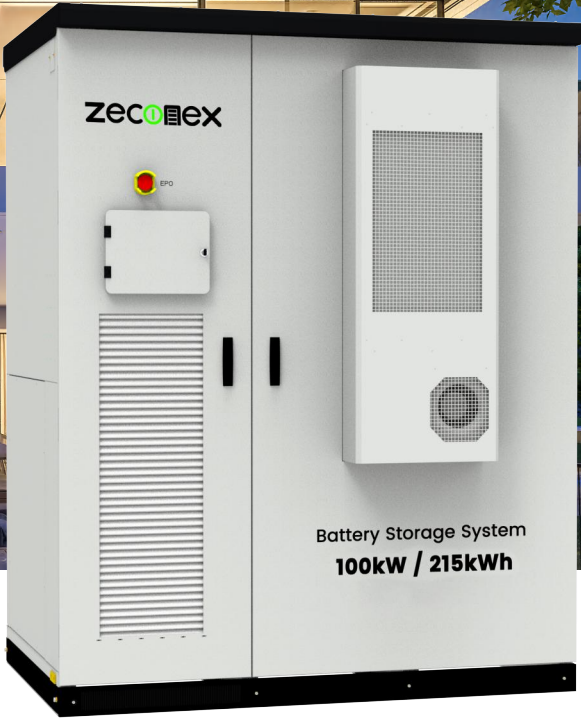


# 100kW/215kWh Commercial Energy Storage System



## Features

- High-efficiency energy storage system-100kW/215kWh LFP battery
- Grid-connected photovoltaic compatibility - 200-450V wide voltage adaptation
- Intelligent cooling large-capacity battery - IP54 protection, 3100kg
- Multiple communication interfaces - CAN/Ethernet/485



### System Integration



The system has been commercialized, integrating energy storage batteries, energy storage converters, photovoltaic converters, energy management monitoring systems, power distribution systems, environmental control systems, and fire control systems. It can fully control the operation status and risks of the system.

### Intelligent Dispatch



Real-time acquisition of local load power, photovoltaic power generation priority is self-generation and self-use, and surplus electricity storage. When the power generated by photovoltaic power generation is insufficient to provide local load, the battery storage is prioritized.

### Environmental Protection



The protection level is IP54, which can perfectly cope with various types of weather in the outdoor environment.

### Efficient Cooling



It adopts door-mounted embedded integrated air conditioning, which does not occupy cabinet space, improves the available space of outdoor cabinets, has better structural integrity at the top, and has good waterproof performance.

### Convenient Management



The local control screen can achieve diversified functions such as system operation monitoring, energy management strategy development, equipment remote upgrading, etc.

## Commercial Energy Storage System



## Specifications

Model Number	ZECO-ESS215 (100kW/215kWh)
Battery rated capacity	215kWh
Battery rated voltage	768V
Battery voltage range	672V~864V
Battery type	Lithium iron phosphate battery(LFP)
Battery cell capacity	280Ah
Series of Batery	1P*20S*12S
Maximum charge and discharge current	140A
Photovoltaic rated capacity	100kW
Photovoltaic voltage range	200~450V
Rated AC power	100kW
Rated AC current	144A
Rated AC voltage	400V, 3W+N+PE/3W+PE
Rated AC frequency	50/60Hz
THDI	<3% (Rated power)
Power Factor	-1 leading to+1 lagging
THDU	<3%(Linear Load)
Degree of protection	IP54
Protective Class	/
Isolation mode	No-Isolation(A ding isolation transformer is optional)
Shutdown self-discharge	<100W (Without transformer)
Display	LCD
Relative humidity	0 ~ 95%(no condensation)
Noise	<78dB
Ambient temperature	-25°C to +60°C(with derating at temperatures above 45°C)
Cooling mode	Intelligent air-cooled
Altitude	3000m (> 3000m reduction)
Communication interface	CAN/Ethernet/485
Size (W*D*H)	1800*1200*2300mm
Weight (approx.)	3100kg